

NIST Standards in Trade Workshop
In Support of the Asia Pacific Partnership (APP)
On Harmonization of Test Procedures

August 27-31, 2007

Workshop Schedule

**National Institute of Standards and Technology
Gaithersburg, Maryland**

Monday, August 27		Administration Building (101)/Lecture Room A
8:30 a.m.	NIST Bus pick up from Hotel	
9:00 a.m.	Daily Orientation and Workshop Objectives	
9:15 a.m.	<u>Welcome and Introductions</u> Dr. Belinda Collins Director, Technology Services National Institute of Standards and Technology (NIST) Dr. Carmiña Londoño Group Leader, Global Standards and Information Group National Institute of Standards and Technology (NIST)	
10:00 a.m.	<u>Overview of NIST</u> Dr. Belinda Collins Director, Technology Services National Institute of Standards and Technology (NIST)	
10:30 a.m.	<u>Overview of the Asia Pacific Partnership (APP) and the Buildings and Appliances Taskforce (BATF)</u> Juan Lopez Senior Program Analyst Office of the Federal Environmental Executive	
10:45 a.m.	Dr. Jun-Young Choi Principal Researcher, Secretariat of BATF Korea Testing Laboratory (KTL) (<i>BATF Overview</i>)	
11:00 a.m.	BREAK - Hosted by ASHRAE	

11:15 a.m. **Overview: Status of current state of harmonization of test procedures in the electronics and HVAC/R sectors**

11:15 a.m. Katharine Kaplan
Product Development Manager, ENERGY STAR
Consumer Electronics and IT
U.S. Environmental Protection Agency
Electronics Focus

11:30 a.m. Dr. Jun-Young Choi
Principal Researcher, Secretariat of BATF
Korea Testing Laboratory
HVAC/R

11:45 a.m. LUNCH – NIST Cafeteria

TEST PROCEDURES AND STANDARDS LANDSCAPE IN THE APP COUNTRIES

Country presentations addressing:

- * development of test procedures
- * industry initiatives and activities
- * industry-government interaction
- * voluntary use and adoption as an alternative to govt. regulation
- * resource availability and constraints
- * CASE STUDIES (e.g. highlighting barriers due to lack of harmonization of test procedures)

1:00 p.m. **Overview of Test Procedures and Standards Landscape**

1:00 p.m. U.S. Representative
Gary Kushnier
Vice President, International Policy
American National Standards Institute (ANSI)

Monday, August 27**Administration Building (101)/Lecture Room A**

- 1:30 p.m. Laura Van Wie McGrory
Program Manager
Lawrence Berkeley National Laboratory (LBNL)
- 2:00 p.m. Australia Representative
Rachael Clarke
Assistant Director, Equipment Energy Efficiency Team
Australian Greenhouse Office, Department of the Environment and Water Resources
- 2:30 p.m. China Representative
Li Aizhen
Director for International Cooperation Department
China Standard Certification Center (CSC)
- 3:00 p.m. BREAK - Hosted by ASHRAE
- 3:15 p.m. India Representative
G. Pandian
Energy Economist
Bureau of Energy Efficiency
Ministry of Power, Government of India
- 3:45 p.m. Republic of Korea Representative
Hu-Seok Seo
Assistant Manager
Korea Energy Management Corporation (KEMCO)
- 4:15 p.m. Japan Representative
Kotaro Ohkuni, Ph.D.
Research Specialist
Energy Conservation Equipment Promotion Department and ENERGY STAR Program Office
- 4:45 p.m. Group Discussion
- 5:00 p.m. NIST Bus Departs for Hotel

Tuesday, August 28

Administration Building (101)/Lecture Room A

8:00 a.m.	NIST Bus pick up from Hotel
8:15 a.m.	Administration
8:30 a.m.	<u>Overview of the Harmonization of Test Procedures in the Electronics Sector</u>
8:30 a.m.	U.S. Representatives Brian Markwalter Vice President, Technology and Standards Consumer Electronics Association (CEA)
9:00 a.m.	Victor P. Petrolati General Engineer U.S. Department of Energy (DOE)
9:30 a.m.	Australia Representative Richard Collins Technical Consultant to the Equipment Energy Efficiency Team Punchline Energy
10:00 a.m.	China Representative
10:30 a.m.	BREAK – Hosted by ASHRAE
10:45 a.m.	India Representative G. Pandian Energy Economist Bureau of Energy Efficiency Ministry of Power, Government of India
11:15 a.m.	Republic of Korea Representative Young Hwan Kim Team Leader Korea Testing Laboratory
11:45 a.m.	LUNCH – NIST Cafeteria

- 12:45 p.m. **Site Visit** (*Walk to Building 226*)
 Hunter Fanney/Brian Dougherty
 Building Environment Division
 National Institute of Standards and Technology (NIST)
- 1:00 p.m. Site Visit: NIST labs (Building 226)
- Virtual Cybernetic Building Testbed – testing equipment by emulating a real building
 - Nano-Fluid Refrigerant Heat Transfer
 - Test Procedures for Residential/Stationary Fuel Cells
 - US Traceability for building insulation measurements
 - Solar photovoltaic's testing and rating
- 3:15 p.m. BREAK – Hosted by ASHRAE
- 3:30 p.m. **Overview of the Harmonization of Test Procedures in the Electronics Sector** (*continued*)
- Japan Representative
 Kazuhiko Inagaki
 Industrial Standardization Expert, Standards and Partnership
 Department Headquarters
 Sony Corporation
- 4:00 p.m. **PANEL:** (*Representatives from morning session*)
Moderator:
 Andrew Fanara, Product Development Team Leader
 ENERGY STAR Program
 United States Environmental Protection Agency (USEPA)
- Potential Topics for Discussion**
- Existing Test Procedures
 - Minimize Differences
 - Next Steps
- 5:00 p.m. NIST Bus departs for Hotel
- 6:15 p.m. NIST Bus departs from Hotel to Dogfish Head Alehouse
- 6:30 p.m. **Dinner Hosted by Intertek and ARI**
Dogfish Head Alehouse, Gaithersburg, MD

Wednesday, August 29**Administration Building (101)/Lecture Room A**

- 8:00 a.m. NIST Bus pick up from Hotel
- 8:15 a.m. Administration
- 8:30 a.m. **Overview of Harmonization of Test Procedures in the HVAC/R Sector**
- 8:30 a.m. U.S. Representatives
Bill Tritsis
Senior Director Certification
Air-Conditioning and Refrigeration Institute (ARI)
- 9:00 a.m. Byron Horak
Director of Program Development
Intertek
- 9:30 a.m. Australia Representative
Gregory Charles Groppenbacher
Consultant
Australian Greenhouse Office
- 10:00 a.m. China Representative
Junqiang Liang
Division Director
Building Energy Efficiency and New Materials Division
Science and Technology Department
Ministry of Construction
- 10:30 a.m. BREAK – Hosted by ASHRAE
- 10:45 a.m. Japan Representatives
Hiroshi Sasaki
Senior Engineer
Matsushita Electric Industrial Co., Ltd.
- 11:05 a.m. Kiyoshi Saito
Manager
The Japan Electrical Manufacturers' Association (JEMA)
- 11:25 a.m. Group Discussion
- 11:35 a.m. Group Photo
- 11:45 a.m. LUNCH – NIST Cafeteria

12:45 p.m. **Depart for Site Visit**

NAHB Research Center
400 Prince George's Boulevard
Upper Marlboro, Maryland 20774
Phone Number: 1-800-638-8556
Website: <http://www.nahbrc.org>

4:00 p.m. Bus Departs for Hotel

- 8:00 a.m. NIST Bus pick up from Hotel
- 8:15 a.m. Administration
- 8:30 a.m. **Harmonization of Test Procedures in the HVAC/R Sector** *(continued)*
- 8:30 a.m. India Representatives
Bhupinder Godara
Chief Technology Officer Home Appliances
Mirc Electronics Limited
- 8:50 a.m. Rahul Sood
Consultant
E.I. Dupont India Private Ltd.
- 9:10 a.m. Gopal Pandian, Energy Economist
Bureau of Energy Efficiency
Ministry of Power, Government of India
- 9:30 a.m. Republic of Korea Representative
Sung Hyuk Hong
Senior Research Engineer
LG Electronics Inc.
- 10:00 a.m. Group Discussion
- 10:15 a.m. BREAK – Hosted by ASHRAE
- 10:30 a.m. **Global Energy Efficiency Performance Testing**
Chris Stone
General Manager of Design Services
Intertek
- 11:00 a.m. **Global Energy Efficiency Regulations and Market Surveillance**
Byron Horak
Director of Program Development
Intertek
- 11:30 a.m. Group Discussion
- 11:45 a.m. LUNCH – NIST Cafeteria

1:00 p.m. **PANEL on Issues in International Standardization and the Use of Voluntary Standards:**

Moderator:

Mary H. Saunders

Chief, Standards Services Division

National Institute of Standards and Technology (NIST)

Potential Topics for Discussion:

- Pre-standardization collaboration Opportunities
- Collaboration in standards development
- Case Studies on use of voluntary standards to support regulations/meet regulatory requirements
- Challenges to international standards development

Alan Meier

Senior Scientist

Lawrence Berkeley National Laboratory (LBNL)

James Walters

Senior Director, International Affairs

Air-Conditioning and Refrigeration Institute (ARI)

Doug Johnson

Senior Director, Technology Policy and International Affairs

Consumer Electronics Association (CEA)

Open Discussion for ALL PARTICIPANTS

3:00 p.m. Bus Departs for NIST Hotel

Thursday, August 30	Administration Building (101)/Lecture Room A
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3:00 p.m. BATF Harmonization of Test Procedures Working Group Meeting –
FOR ELECTRONICS ONLY (*meeting agenda and schedule to be developed by DOE/EPA with WG Chair*)

5:00 p.m. Bus Departs for NIST Hotel

Friday, August 31	Administration Building (101)/Lecture Room A
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- 8:30 a.m. NIST Bus pick up from Hotel
- 8:45 a.m. Administration
- 9:00 a.m. **Discussion: Emerging Trends and Similar Issues**
Terry Townsend
Immediate Past President
ASHRAE
Townsend Engineering
- 9:45 a.m. **Unaddressed issues and remaining questions**
Moderator:
Dr. Ajit Jilla, Senior Standards Specialist
National Institute of Standards and Technology (NIST)
- 10:15 a.m. BREAK
- 10:30 a.m. **Final Forum (next steps and future collaborations)**
- 11:15 a.m. Complete Workshop Evaluations
- 11:30 a.m. **Closing Remarks**
Dr. Belinda Collins
Director, Technology Services
National Institute of Standards and Technology (NIST)
- Mary H. Saunders
Chief, Standards Services Division
National Institute of Standards and Technology (NIST)
- Dr. Carmiña Londoño
Group Leader, Global Standards and Information Group
National Institute of Standards and Technology (NIST)
- Delegation Representative(s)
- 12:00 p.m. NIST Bus departs for hotel

Friday, August 31	Administration Building (101)/Lecture Room A
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- 1:00 – 5:00 BATF Harmonization of Test Procedures Working Group Meeting –
FOR HVAC/R ONLY (*meeting agenda and schedule to be developed by DOE/EPA with WG Chair*)